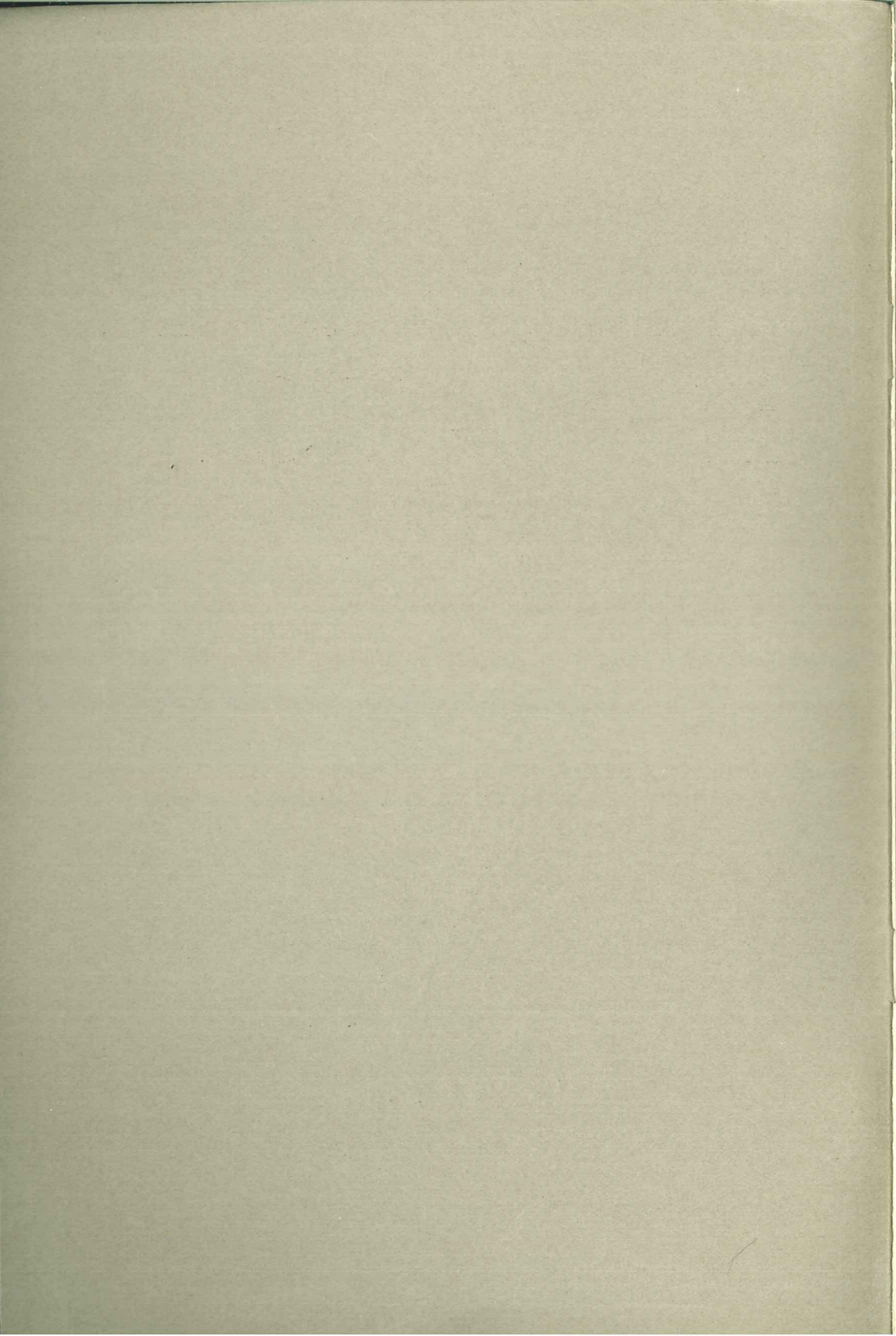


OTIS HAND POWER ELEVATORS



OTIS
ELEVATOR
COMPANY

OFFICES IN ALL PRINCIPAL CITIES
OF THE WORLD



OTIS HAND POWER ELEVATORS

THE WORLD'S WORD *for*

ELEVATOR SAFETY

OTIS
ELEVATOR COMPANY

OFFICES IN ALL PRINCIPAL CITIES
OF THE WORLD

THE simplicity of all *Otis Hand Power Elevators* makes their erection easy and economical.

The working drawings and instructions furnished with the equipment are so simple and complete that anyone at all mechanically inclined will experience no difficulty in erecting.

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Otis Elevator Company

INTRODUCTION



It has been an aim of the Otis Elevator Company for many years to produce the highest grade of Hand Power Elevators at a cost low enough to place these machines within the means of everyone whose business demands a hoist of this type.

In submitting the several different types of Hand Power Apparatus shown in this catalog, we wish to call particular attention to the *Steel Construction* which is the Otis Standard and is explained in detail on the following pages.

STANDARD SIZES

ONE of the first questions which confronts a prospective elevator purchaser is the size of platform needed to meet his requirements. This can be determined by consulting our list of "*Standard Sizes*," and arranging a hatchway to suit the selected platform.

Standard Size platforms are manufactured in large quantities and placed in stock, thereby reducing the cost of production to a minimum. This not only gives the purchaser the benefit of a lower cost, but secures for him the advantage of immediate shipment.

Use the Standard Sizes in all cases when it is possible and secure the advantages mentioned above.

Special sizes at advanced prices.

LIST OF STANDARD SIZES

No. 1 Center Lift

PLATFORM			HATCHWAY		
Postwise		Front to Back	Postwise		Front to Back
3' 0"	x	3' 0"	4' 1"	x	3' 2"
4' 0"	x	4' 0"	5' 1"	x	4' 2"
4' 0"	x	5' 0"	5' 1"	x	5' 2"

No. 4A

4' 0"	x	4' 0"	5' 1½"	x	4' 2"
4' 0"	x	5' 0"	5' 1½"	x	5' 2"
4' 0"	x	6' 0"	5' 1½"	x	6' 2"
5' 0"	x	5' 0"	6' 1½"	x	5' 2"
5' 0"	x	6' 0"	6' 1½"	x	6' 2"
5' 0"	x	7' 0"	6' 1½"	x	7' 2"
6' 0"	x	6' 0"	7' 1½"	x	6' 2"
6' 0"	x	7' 0"	7' 1½"	x	7' 2"
6' 0"	x	8' 0"	7' 1½"	x	8' 2"
7' 0"	x	7' 0"	8' 1½"	x	7' 2"

No. 2 Center Lift

4' 0"	x	5' 0"	5' 1"	x	5' 2"
4' 0"	x	6' 0"	5' 1"	x	6' 2"
5' 0"	x	5' 0"	6' 1"	x	5' 2"
5' 0"	x	6' 0"	6' 1"	x	6' 2"
5' 0"	x	7' 0"	6' 1"	x	7' 2"
6' 0"	x	6' 0"	7' 1"	x	6' 2"
6' 0"	x	7' 0"	7' 1"	x	7' 2"
7' 0"	x	7' 0"	8' 1"	x	7' 2"

No. 1 Carriage Elevator

6' 0"	x	12' 0"	7' 0"	x	12' 3"
6' 0"	x	14' 0"	7' 0"	x	14' 3"
7' 0"	x	14' 0"	8' 0"	x	14' 3"

No. 2 Carriage Elevator

6' 0"	x	12' 0"	7' 0½"	x	12' 3"
6' 0"	x	14' 0"	7' 0½"	x	14' 3"
7' 0"	x	14' 0"	8' 0½"	x	14' 3"
7' 0"	x	16' 0"	8' 0½"	x	16' 3"
8' 0"	x	16' 0"	9' 0½"	x	16' 3"
8' 0"	x	18' 0"	9' 0½"	x	18' 3"

No. 3 Carriage Elevator

8' 0"	x	16' 0"	9' 0¾"	x	16' 3"
8' 0"	x	18' 0"	9' 0¾"	x	18' 3"
8' 0"	x	20' 0"	9' 0¾"	x	20' 3"
9' 0"	x	18' 0"	10' 0¾"	x	18' 3"

No. 1 Basement Elevator

3' 0"	x	4' 0"
4' 0"	x	4' 0"
5' 0"	x	4' 0"
6' 0"	x	4' 0"
7' 0"	x	5' 0"

As these sizes vary with local conditions, this information will be furnished on application.

No. 2 Basement Elevator

3' 0"	x	4' 0"
4' 0"	x	4' 0"
5' 0"	x	4' 0"
6' 0"	x	4' 0"
7' 0"	x	5' 0"

As these sizes vary with local conditions, this information will be furnished on application.

No. 1 CENTER LIFT HAND POWER ELEVATOR

THE No. 1 Hand Power is especially adapted for light loads and small platform sizes. The rope or pull wheel may be placed at either the front or at the side, thus making it possible to install this type in either an open or enclosed hatchway.

We strongly recommend the sidepost arrangement shown in illustration. When conditions are such that the guide posts must be placed in the corners of hatchway, we can furnish special construction, for which drawings are necessary in each case to show size of hatchway required.

Special attention is called to the Steel Frame Platform and "Power" Type Safety Device furnished with all Otis Hand Power Elevators. These features differ slightly on the various types as conditions demand.

Specifications for the above are as follows:

Lifting Machine

Rope or Pull Wheel	Hoisting Sheave
Gearing and Shafts	Roller Bearings
Steel Band Brake	

Overhead Frame

Counterweights	Platform—Steel Frame
Adjustable	Safety Device

Guide Strips
Maple

Ropes

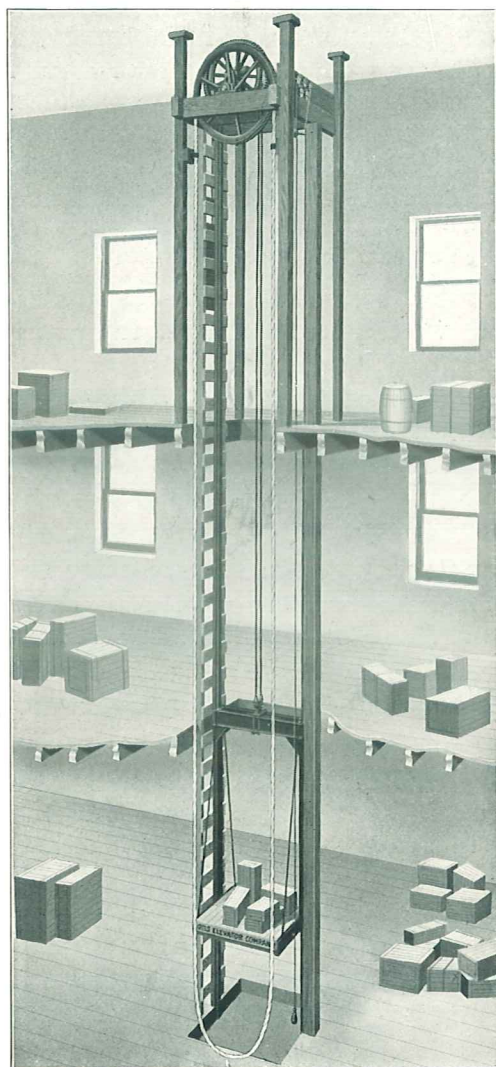
Two ½" Iron Lifting Cables	One 1 ⅛" Manila Hand Rope
One ½" Brake Rope	

We furnish complete drawings and instructions for erecting.

H A N D P O W E R E L E V A T O R S

No. 1 CENTER LIFT HAND POWER ELEVATOR

Capacities 500 and 1000 lbs.



STANDARD SIZES

Postwise Front to Back	Postwise Front to Back	Postwise Front to back
3' 0" x 3' 0"	4' 0" x 4' 0"	4' 0" x 5' 0"

INVALID HOIST

WHILE our No. 1 "Center Lift," shown on page 9, can be used for residence service, it is designed strictly as a freight elevator, and as such is not equipped with all of the refinements which are usually required in residence lifts. We have therefore designed a special Hand Elevator for House Service, which is exceptionally smooth running, quiet and easily operated, as well as very moderate in price.

This elevator is of the same general construction as our No. 1 Center Lift side post type, except that the large spur wheel is machine cut and the pinion is made of rawhide, which with the leather-lined brake band reduces noise to a minimum.

The car is of neat design, finished in hard wood, with black finished wire grille work above and over top, and is provided with maple floor.

The hand rope and check line are of fine Italian hemp.

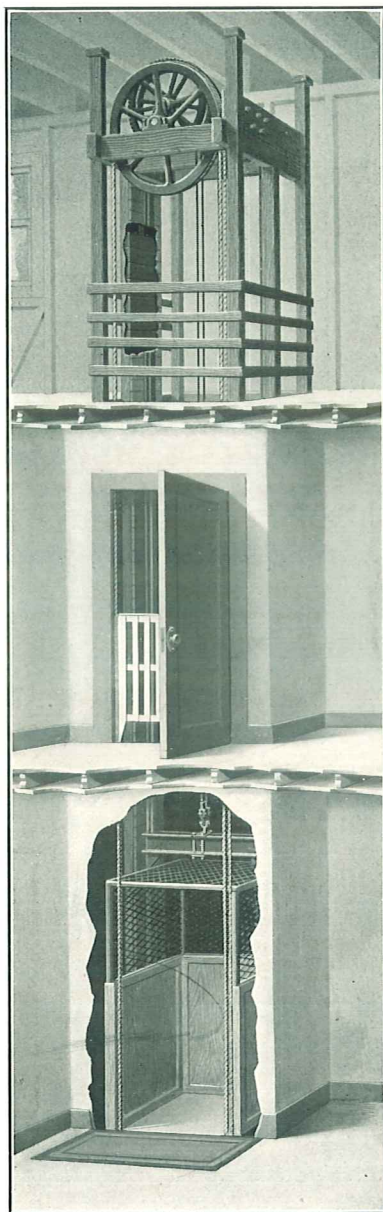
The counterweight is so adjusted to the weight of the person using the elevator as to require the minimum of exertion to move the car in either direction.

Specifications for the above are as follows:

Lifting Machine	
Rope or Pull Wheel	Hoisting Sheave
Cut Gear	Roller Bearings
Rawhide Pinion	Leather-lined Steel Band Brake
Overhead Frame	
Counterweights	Platform—Steel Frame
Adjustable	Safety Device
Guide Strips	
Maple	
Ropes	
Two 1½" Iron Lifting Cables	
One Italian Hemp Hand Rope	One ½" Brake Rope

We furnish complete drawings and instructions for erecting.

INVALID HOIST



No. 4-A

HAND POWER ELEVATOR

THE No. 4-A is the most popular type and well deserves the great popularity which it has attained, being within its range the best and most economical Hand Power Elevator ever built for the handling of general merchandise. It is simplicity itself to erect (another economical feature) and its easy running qualities and durable construction have met with ever-growing favor.

It is not adapted for an enclosed hatchway, corner guides, nor for pull wheel in front.

If you wish to know how little money will purchase a high class Hand Power Elevator, write for prices of the No. 4-A.

Specifications for the above are as follows:

Winding Machine

Rope or Pull Wheel	Iron Drums
Shafts and Gearing	Roller Bearings
Brake	

Supports for Winding Machine

Counterweights	Platform—Steel Frame
Adjustable	Safety Device
Guide Strips	
Maple	

Ropes

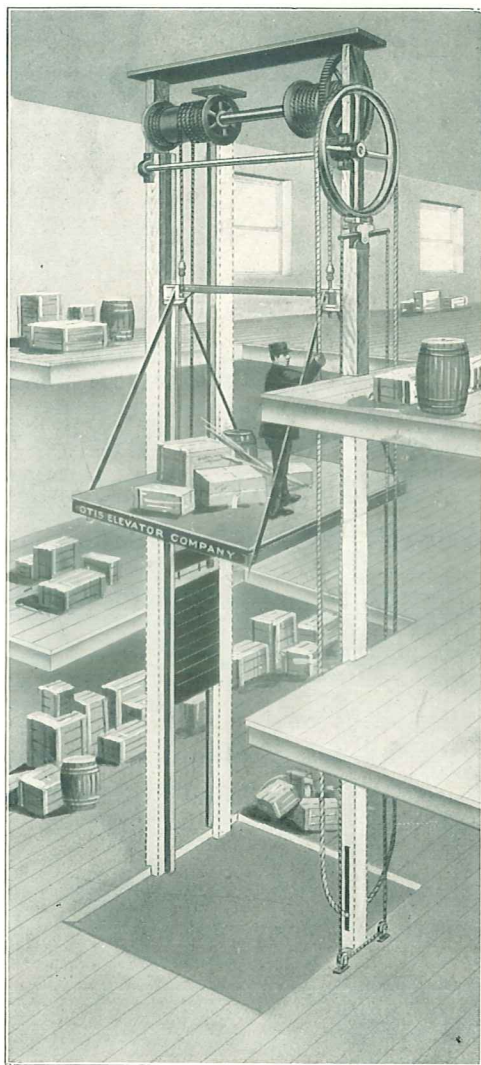
Two ½" Iron Lifting Cables	One 1 ⅛" Manila Hand Rope
One ½" Iron Weight Cable	One ½" Brake Rope

We furnish complete drawings and instructions for erecting.

H A N D P O W E R E L E V A T O R S

No. 4-A HAND POWER ELEVATOR

Capacities 1500, 2000, 2500 lbs.



STANDARD SIZES

Postwise	Front to Back	Postwise	Front to Back	Postwise	Front to Back	
4' 0"	x	4' 0"	5' 0"	6' 0"	x	7' 0"
4' 0"	x	5' 0"	5' 0"	6' 0"	x	8' 0"
4' 0"	x	6' 0"	5' 0"	7' 0"	x	7' 0"
		6' 0"	x	6' 0"		

SOME DETAILS

I N order to demonstrate Otis superiority and in line with the policy of furnishing "*The maximum value for a dollar*" we show herewith cuts of the various parts which clearly illustrate in detail the design, workmanship and method of constructing Otis Standard Hand Power Elevators.

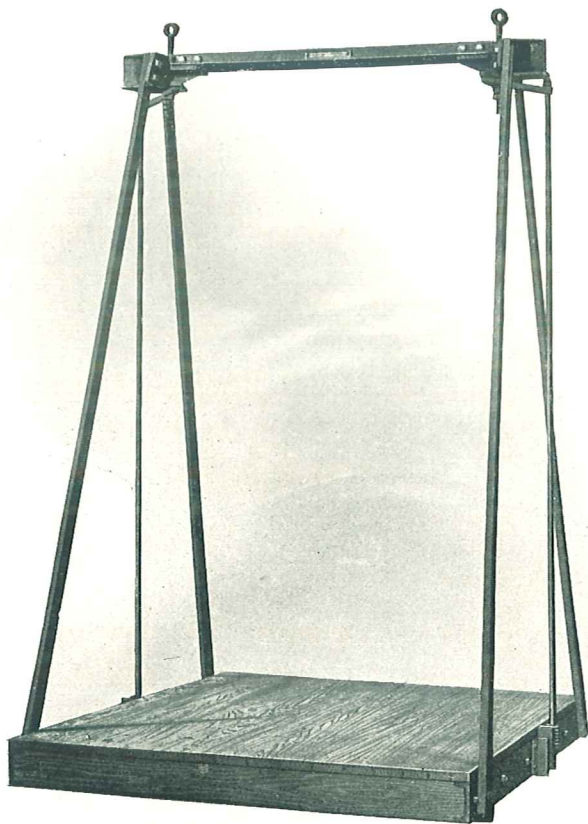


Figure 1. 4-A Car Frame and Platform

PLATFORM

ALIVE to the fact that car frames and platforms made of wood do not always give the best satisfaction, we have designed a *Steel Frame Car* (Figure 1) with no wood used in the construction except for the flooring.

Further, this car is equipped with a type of safety similar to that used on Electric and other "Power" Elevators, thus making a much more effective device than the old style of Beam Spring Safety.

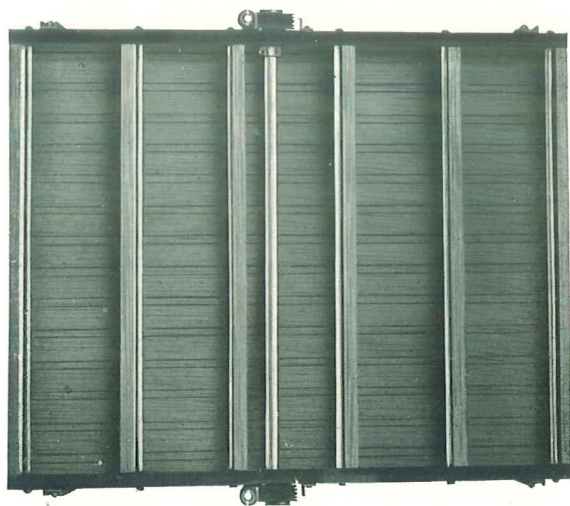


Figure 2. Bottom View of Platform

In Figure 2 a bottom view of the platform is shown, giving a clear idea of the safety dogs, the method of bracing, and the strong construction.

GUIDE POSTS AND STRIPS

OWING to the fact that guide post stock can be obtained from any lumber yard, the customer often prefers to purchase his posts locally and save the freight charges.

A solid post of proper size can be used, but we strongly recommend the use of a compound post as shown in Figure 3, in order to eliminate warping and twisting. Although the cost of this post is greater than the old style solid one, we furnish compound posts in all cases, when posts are ordered, thus assuring the purchaser of absolutely true runways for his platform.

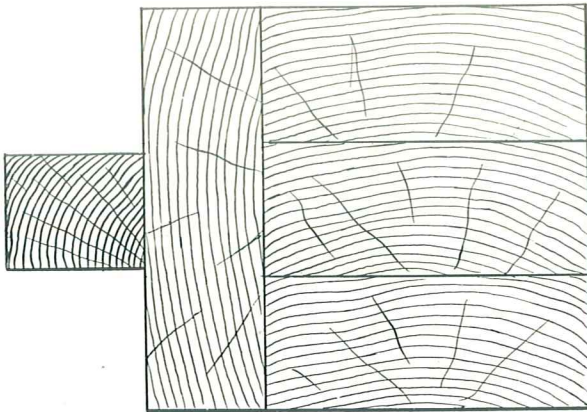


Figure 3. Compound Guide Post

The guide strips are made of well-seasoned kiln-dried maple, being tongued, grooved and drilled on a special machine built for this purpose. No difficulty can be experienced in accurately erecting.

GEAR AND DRUMS

PARTICULAR attention is directed to the gear and drums shown in Figure 4.

These drums are made of iron with machine scored grooves. This construction is a marked improvement over the wood or cast groove drums.

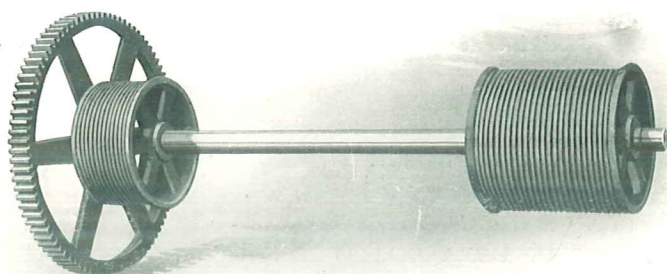


Figure 4. Gear and Drum

Another indication of Otis quality is shown in Figure 5.

This is the steel anti-friction roller bearing in which all shafts are mounted, thus making a smooth and easy running elevator instead of the usual "*Man Killer*."

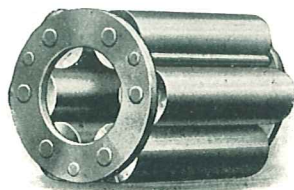


Figure 5. Roller Bearing

ROPE WHEEL

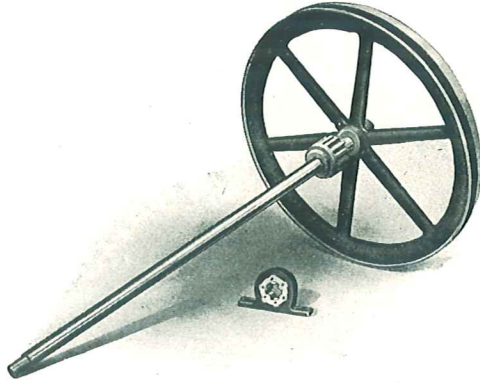


Figure 6. Rope Wheel

THE parts shown in Figure 6 are the Rope or "Pull" Wheel and Pinion. These are accurately made and mounted on a heavy steel shaft. The flange of the Rope Wheel, on which the brake operates, is accurately machined, insuring a positive and easy stop.

BRAKE

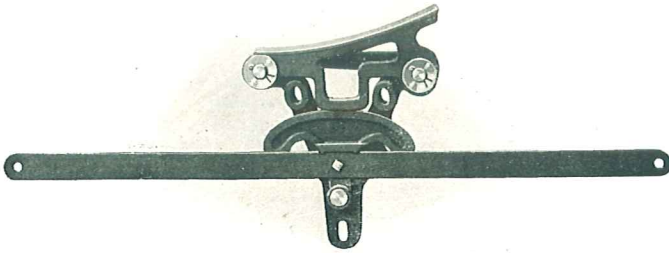


Figure 7. 4-A Brake

Realizing the importance of the brake, every care has been taken to provide *Otis Elevators* with the best possible braking appliance. The illustration (Figure 7) shows the cam or rocker style—(used with the 4-A elevator) a type which has proven most safe and efficient. The brake is made substantially throughout and the shoe is lined with leather to insure both gripping efficiency and quietness of operation.

INSTRUCTIONS

WE give below a fac-simile of our Standard Erecting Instructions, which we send out with every Hand Power Elevator. With these instructions also go erection drawings, showing the purchaser the best and most economical way in which to erect.

OTIS ELEVATOR COMPANY

DIRECTIONS FOR ERECTING

SIZE

HAND POWER ELEVATOR

Before commencing work, be sure that the openings in the different floors are PLUMB, and that the dimensions agree with those indicated on erection plan.

GUIDE POSTS

After locating center line of opening, front to back, place the counterweight posts (_____) in position as erecting plan shows. Attach counterweight guide strips (_____) in the case of center lift #1 and #2 make weight box by nailing (_____) boards to posts as shown, and then secure main guide posts (_____) to this box. After this main guide post (_____) in position on the counterweight side, place the other main guide post (_____), and be careful to use gauge board, giving exact measurement, between these posts, which will be found attached to one of them.

Now attach main guide strips (_____) with the exception of about 8', at a place most convenient for putting platform in hatchway

GEARING

The gearing should now be placed in secure overhead frame, in accordance with plan, and care taken to have shafts revolve freely in the roller bearings. (See that gear and pinion mesh properly.) (1" play between tooth and bottom.)

PLATFORM

Assemble platform and place in proper position.

ROPES

The (_____) cables are to be secured by means of clamps inside drum, allowing at least one complete turn before fastening to platform, at bottom of hatchway, with eye bolts or sockets as furnished. In the case of #1 center lift, main cables pass over sheave and are secured to platform by sockets.

Place hand rope on hand rope wheel and splice the two ends of the rope together with a running splice of about 10' (On #4-A machines the post in lower story should be slotted as shown on erecting plan, and before splicing this rope have it, when hanging free, reach about midway of the slot, so that in case of shrinkage the rope will not bind against the post.) Raise platform to upper landing and attach guide strips at bottom.

BRAKES

The brake with brake board, which contains five small pulleys, should be securely fastened in place, and the brake tested to see that the band has an even bearing and is properly adjusted to suit the rim of the hand rope wheel. The brake rope should be fastened to the end of the brake lever, run around the small pulleys and down to the lower story, and the brake rope weight fastened to the end of the brake rope, but always clear of floor. Also see that brake lever is level when brake is applied.

COUNTERWEIGHTS

Place counterweights in guides, with a 12" block underneath; attach counterweight cable, lower platform; and remove block under weight. (On #4-A machines bring platform level by adjusting lifting cables.)

SAFETY DEVICE

The trip rods on side of platform should be adjusted by means of adjusting nuts at top of rod. Be positive that safety dogs clear the guide strips.

When finished, have the weight land so that car cannot run by top landing more than 4', and have car land so that same cannot run by bottom landing more than 4'.

GENERAL ADJUSTMENTS

Be careful to tighten all bolts and nuts, and before using go carefully over the joints of guide strips, leaving them perfectly smooth. For lubricating the guide strips use a good quality of hard grease, (not containing rosin.) Examine brake to see that it clears rim of wheel when released. All parts should operate freely without binding or unnecessary friction.

No. 2 CENTER LIFT HAND POWER ELEVATOR

THE No. 2 is a type of elevator expressly designed for heavy loads and hard service. To meet these requirements we furnish a strongly braced steel frame car (with ample counterbalance) and gearing of the highest efficiency. The rope or pull wheel may be placed at either the front or at the side, thus making it possible to install this type in either an open or enclosed hatchway.

We strongly recommend the sidepost arrangement shown in illustration. When conditions are such that the guide posts must be placed in the corners of hatchway, we can furnish special construction, for which drawings are necessary in each case to show size of hatchway required.

The illustration on the opposite page shows the construction to be a radical improvement over the old-fashioned "Wooden Type."

Specifications for the above are as follows:

Winding Machine

Rope or Pull Wheel	Iron Drums
Shafts and Gearing	Roller Bearings
Steel Band Brake	

Overhead Frames

Counterweights	Platform—Steel Frame
Adjustable	Safety Device

Guide Strips

Maple

Ropes

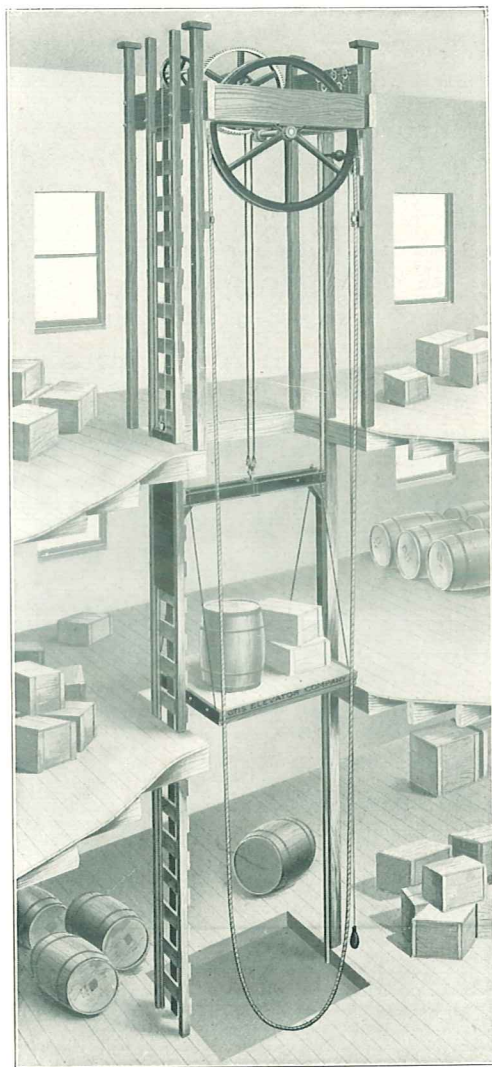
Two ½" Iron Lifting Cables	One 1 ⅛" Manila Hand Rope
One ½" Iron Weight Cable	One ½" Brake Rope

We furnish complete drawings and instructions for erecting.

H A N D P O W E R E L E V A T O R

No. 2 CENTER LIFT HAND POWER ELEVATOR

Capacities 1500, 2000, 2500, 3000 lbs.



STANDARD SIZES

Postwise		Front to Back
4' 0"	x	5' 0"
4' 0"	x	6' 0"
5' 0"	x	5' 0"
5' 0"	x	6' 0"

Postwise		Front to Back
5' 0"	x	7' 0"
6' 0"	x	6' 0"
6' 0"	x	7' 0"
7' 0"	x	7' 0"

No. 1 CARRIAGE TYPE ELEVATOR

THE No. 1, commonly called the "Carriage Elevator," is designed for use where the articles to be handled are large in size but light in weight. This type is used extensively in implement houses, livery stables, barns, etc.

Particular attention is called to the channel side rails on the platform; this makes a most rigid construction. Another important feature (to be found on all Otis Elevators of this type) is the beveled or sloping edges of the platform. This permits of an installation without the usually required pit, thus saving not only expense of erection, but also the necessity for cutting or otherwise disfiguring the lower floor.

Specifications for the above are as follows:

Winding Machine

Rope or Pull Wheel

Iron Drums

Shafts and Gearing

Roller Bearings

Steel Band Brake

Ceiling Sheaves and Hangers

Horizontal Supports for Winding Machine

Counterweights

Platform

Adjustable

Flat Bottom Channel Side Rails

Guide Strips

Maple

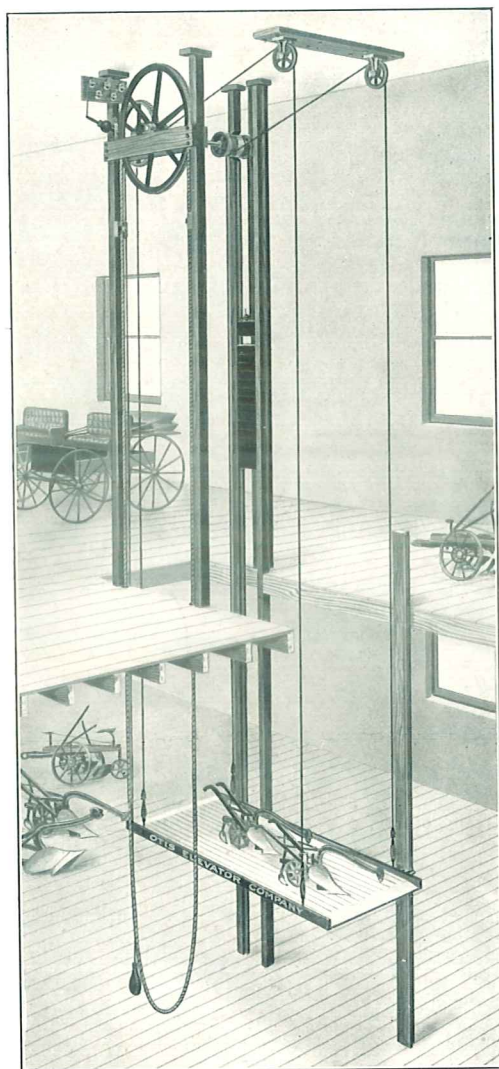
Ropes

Four $\frac{1}{2}$ " Iron Lifting CablesOne $1\frac{1}{8}$ " Manila Hand RopeOne $\frac{1}{2}$ " Iron Weight CableOne $\frac{1}{2}$ " Brake Rope

We furnish complete drawings and instructions for erecting.

No. 1 CARRIAGE TYPE ELEVATOR

Capacities 1500 and 2000 lbs.



STANDARD SIZES

Postwise	Front to Back	Postwise	Front to Back	Postwise	Front to Back
6' 0"	x 12' 0"	6' 0"	x 14' 0"	7' 0"	x 14' 0"

No. 2 CARRIAGE TYPE ELEVATOR

THE No. 2, or intermediate size of the "Carriage Type," meets the requirements of an ever-growing demand for a powerful, easy running automobile or wagon lift at a reasonable price. Its wide range of capacities, 2500, 3000 and 4000 pounds, *exclusive* of weight of car, makes this an ideal machine for general use.

Specifications for the above are as follows:

Winding Machine

Rope or Pull Wheel

Iron Drums

Shafts and Gearing

Roller Bearings

Steel Band Brake

Ceiling Sheaves and Hangers

Horizontal Supports for Winding Machine

Counterweights

Platform

Adjustable

Flat Bottom Channel Side Rails

Guide Strips

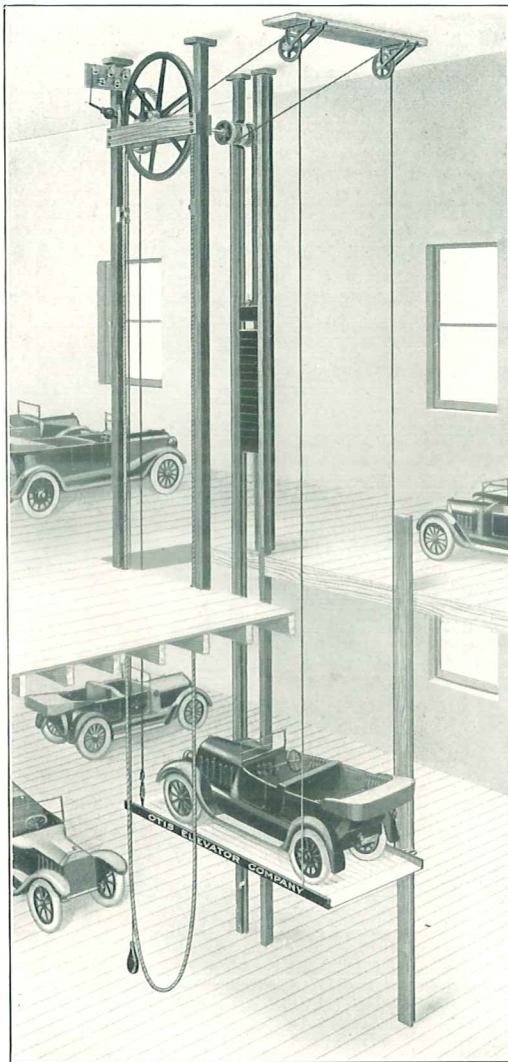
Maple

Ropes

Four $\frac{9}{16}$ " Iron Lifting CablesOne $1\frac{1}{8}$ " Manila Hand RopeOne $\frac{9}{16}$ " Iron Weight CableOne $\frac{1}{2}$ " Brake Rope

We furnish complete drawings and instructions for erecting.

No. 2 CARRIAGE TYPE ELEVATOR
Capacities 2500, 3000, 4000 lbs.



STANDARD SIZES

Postwise		Front to Back
6' 0"	x	12' 0"
6' 0"	x	14' 0"
7' 0"	x	14' 0"

Postwise		Front to Back
7' 0"	x	16' 0"
8' 0"	x	16' 0"
8' 0"	x	18' 0"

No. 3 CARRIAGE TYPE ELEVATOR

THE lifting capacity and ease of operation of this elevator are increased materially beyond the range of the ordinary elevator of this general type by the adoption of a *Double Reduction Gear*, the use of which, combined with high-class workmanship, enables us to offer a machine to meet the maximum necessities of garage service.

If you wish to convert the second story of your garage into a "Money Maker" write us for prices and further particulars.

Specifications for the above are as follows:

Winding Machine

Rope or Pull Wheel

Iron Drums

Double Gearing

Roller Bearings

Steel Band Brake

Ceiling Sheaves and Hangers

Horizontal Supports for Winding Machine

Counterweights

Platform

Adjustable

Flat Bottom Channel Side Rails

Guide Strips

Maple

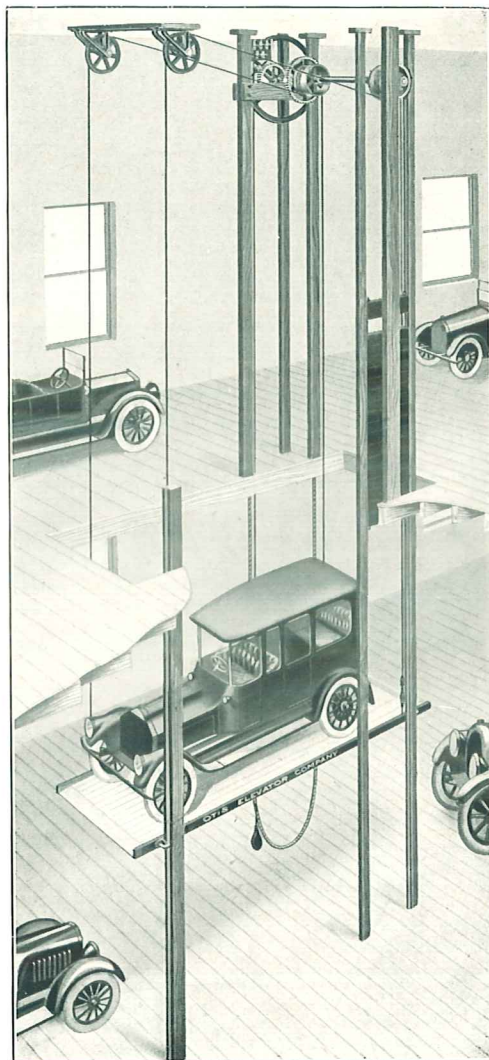
Ropes

Four $\frac{5}{8}$ " Iron Lifting CablesOne $1\frac{1}{8}$ " Manila Hand RopeOne $\frac{5}{8}$ " Iron Weight CableOne $\frac{1}{2}$ " Brake Rope

We furnish complete drawings and instructions for erecting.

No. 3 CARRIAGE TYPE ELEVATOR

Capacities 5000 and 6000 lbs.



STANDARD SIZES

Postwise	Front to Back
8' 0"	x 16' 0"
8' 0"	x 18' 0"

Postwise	Front to Back
8' 0"	x 20' 0"
9' 0"	x 18' 0"

No. 1 BASEMENT ELEVATOR

THE No. 1 "Basement" or "Sidewalk" Elevator is the acme of simplicity and perfection, and requires the smallest amount of space of any machine of this type yet produced.

By attaching the iron lifting cables to each side of the platform a very simple construction is obtained, while the equipment is made entirely self contained or self supporting except for the top and bottom anchorages, by carrying the drums and gearing on the guide angles.

The features outlined above result in a very considerable saving in erection labor.

This type cannot be installed in an enclosed shaft, nor with the gears close to a wall or partition—see page 28.

Specifications for the above are as follows:

Winding Machine

Hand Wheel

Iron Drums

Shoe Brake

Steel Shaft

Spur Gearing

Bearings

Platform

Guide Posts

Overhead Sheaves

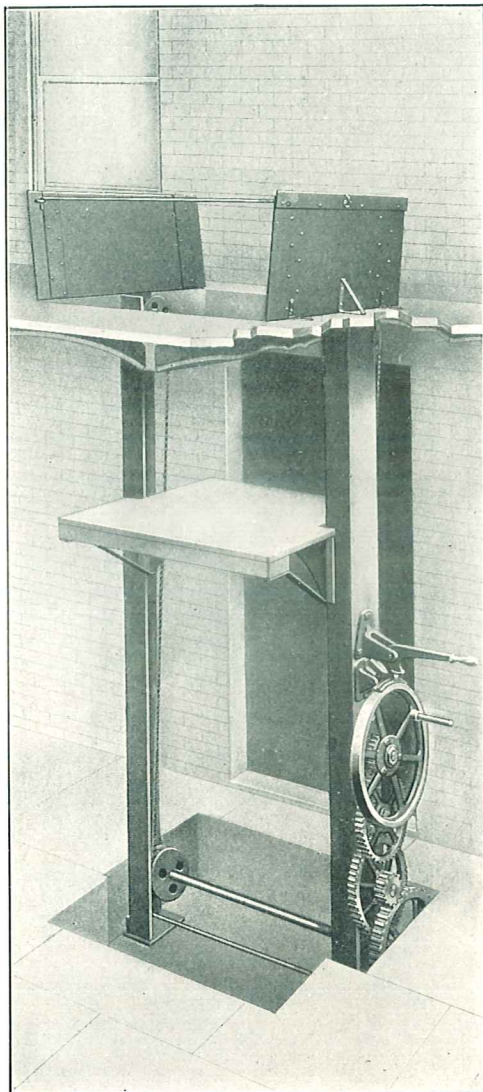
of Heavy Steel Angles

Ropes

Two 1½" Iron Lifting Cables

We furnish complete drawings and instructions for erecting.

No. 1 BASEMENT ELEVATOR
Capacities 500 to 2500 lbs.



STANDARD SIZES

Postwise		Front to Back		Postwise		Front to Back
3' 0"	x	4' 0"		6' 0"	x	4' 0"
4' 0"	x	4' 0"		7' 0"	x	5' 0"
5' 0"	x	4' 0"				

No. 2 BASEMENT ELEVATOR

THE No. 2 "Basement" Elevator is of the same general design as the No. 1, but differs therefrom in the position of the handwheel, which is set away from the main gearing. This arrangement is necessary where the gearing is too close to the wall to permit of operating the hand wheel as it is arranged on the No. 1.

Specifications for the above are as follows:

Winding Machine

Hand Wheel

Chain and Sprocket

Shoe Brake

Iron Drums

Spur Gearing

Steel Shaft

Bearings

Platform

Guide Posts

Overhead Sheaves

of Heavy Steel Angles

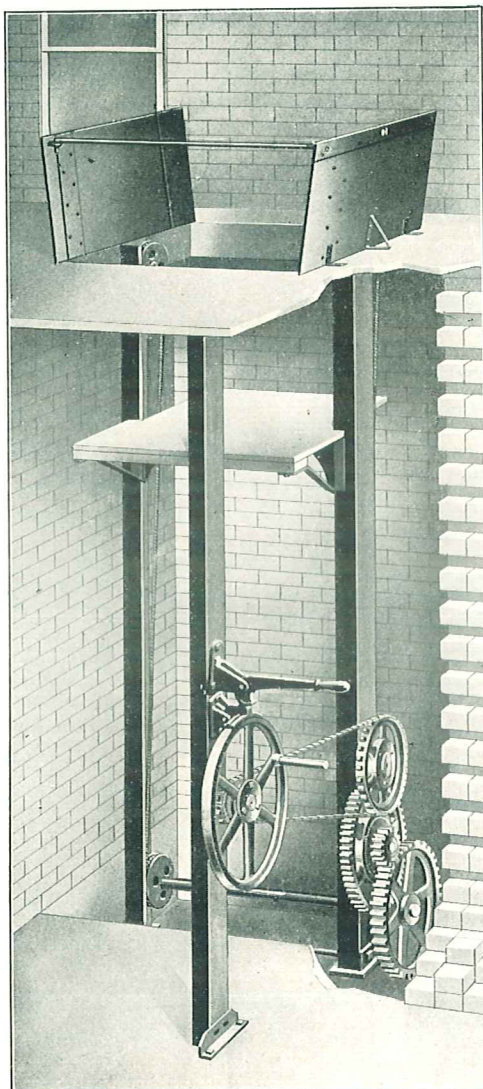
Ropes

Two $\frac{1}{2}$ " Iron Lifting Cables

We furnish complete drawings and instructions for erecting.

No. 2 BASEMENT ELEVATOR

Capacities 500 to 2500 lbs.



STANDARD SIZES

Postwise		Front to Back	Postwise		Front to Back
3' 0"	x	4' 0"	6' 0"	x	4' 0"
4' 0"	x	4' 0"	7' 0"	x	5' 0"
5' 0"	x	4' 0"			

DIRECTORY OF OTIS OFFICES

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Aurora, Ill.	Houston, Texas	San Antonio, Tex.
Atlanta, Ga.	Harrison, N. J.	San Diego, Cal.
Austin, Texas	Hartford, Conn.	San Francisco, Cal.
Butte, Montana	Huntington, W. Va.	Salt Lake City, Utah
Baltimore, Md.	Indianapolis, Ind.	Savannah, Ga.
Birmingham, Ala.	Jacksonville, Fla.	Scranton, Pa.
Boston, Mass.	Joplin, Mo.	Seattle, Wash.
Bridgeport, Conn.	Kalamazoo, Mich.	Shreveport, La.
Brooklyn, N. Y.	Kansas City, Mo.	Sioux City, Ia.
Buffalo, N. Y.	Knoxville, Tenn.	Sioux Falls, S. D.
Burlington, Ia.	Lexington, Ky.	South Bend, Ind.
Beaumont, Texas	Lincoln, Neb.	Spokane, Wash.
Canton, Ohio	Little Rock, Ark.	Springfield, Ill.
Cedar Rapids, Ia.	Louisville, Ky.	Springfield, Mass.
Charleston, S. C.	Lynchburg, Va.	Springfield, Mo.
Charleston, W. Va.	Los Angeles, Cal.	Springfield, Ohio
Charlotte, N. C.	Macon, Ga.	St. Paul, Minn.
Chattanooga, Tenn.	Memphis, Tenn.	St. Louis, Mo.
Chicago, Ill.	Milwaukee, Wis.	Stockton, Cal.
Cincinnati, Ohio	Minneapolis, Minn.	St. Joseph, Mo.
Cleveland, Ohio	Mobile, Ala.	Syracuse, N. Y.
Colorado Springs, Col.	Montgomery, Ala.	San Jose, Cal.
Columbus, Ohio	Muskogee, Okla.	Tacoma, Wash.
Columbia, S. C.	Nashville, Tenn.	Tampa, Fla.
Dallas, Texas	New Haven, Conn.	Terre Haute, Ind.
Davenport, Ia.	New Orleans, La.	Toledo, Ohio
Dayton, Ohio	New York, N. Y.	Topeka, Kan.
Denver, Col.	Norfolk, Va.	Trenton, N. J.
Des Moines, Ia.	Oklahoma City, Okla.	Troy, N. Y.
Detroit, Mich.	Oakland, Cal.	Tulsa, Okla.
Dubuque, Ia.	Omaha, Neb.	Utica, N. Y.
Duluth, Minn.	Peoria, Ill.	Waco, Texas
East St. Louis, Ill.	Philadelphia, Pa.	Washington, D. C.
El Paso, Texas	Pittsburgh, Pa.	Wheeling, W. Va.
Erie, Pa.	Portland, Me.	Wichita, Kan.
Evansville, Ind.	Portland, Ore.	Wilmington, Del.
Fort Smith, Ark.	Providence, R. I.	Worcester, Mass.
Fort Wayne, Ind.	Reading, Pa.	Youngstown, Ohio
Fort Worth, Tex.		

FOREIGN

ARGENTINE

Otis Elevator Company
Buenos Aires, Calle Suipacha, 624
Rosario de Santa Fe, Gral Mitre 735

BELGIUM

Compagnie Belge des Ascenseurs Otis
Brussels, Chaussée d'Anvers 102
Antwerp, 16 Rue Gérard
Ostend, Rue François Musin 41

BRAZIL

Middletown Car Company
Rio de Janeiro, 109 Avenida Rio Branco
Ernesto De Castro & Co.
Sao Paulo, Rua Boa Vista 26

CHILE

Raab, Bellet & Company
Santiago, Estado 235

CHINA

American Trading Company
Shanghai, 52 Szechuen Road

CUBA

Zaldo, Martinez & Company
Havana, 26-28 Calle O'Reilly

DENMARK

Otis Elevator Company
Copenhagen, Puggaardsgade No. 2

FRANCE

Ateliers Otis-Pifre
Paris, 160-163 Rue de Courcelles
Nice, 7 Rue de Mayer
Lyon, 28 bis Rue Doumoulin
Marseille, 22 Pl. Thiars

GERMANY

Otis Aufzugswerke Gesellschaft,
m. b. H. Main Office & Factory
Wittenau, Berlin
Mirau-Ecke Innungstrasse
Cologne, Deichmannshaus
Hamburg, 27 Schwanenwik

HAWAIIAN ISLANDS

Von Hamm-Young Co. Ltd.
Honolulu

HOLLAND

Fred Stieltjes & Co.
Amsterdam, 745 Keizersgracht

JAPAN

American Trading Company
Tokio, No. 1 Ichhome, Yuraku-Cho
Kobe, No. 99 Kitamachi

MEXICO

Hubard & Bourlon
Mexico City, Avenida Cinco de Mayo, No. 34.
P. O. Box 1194

PHILIPPINE ISLANDS

Wm. H. Anderson & Co.
Manila, P. I., 25 Plaza Goiti

PORTO RICO

Behn Bros., Inc.
San Juan, Tanca Esq. Tetuan
Santo Domingo, R. D., Calle Mercedes No. 13

RUSSIA

Otis Elevator Company
Petrograd, 21 Nievsky Prospekt
Moscow, 10 Tichvinski Pereulok
Rostoff Don Malaya Sadowaia No. 27

Chr. Brun & Son

Warsaw, Hotel Bristol

SPAIN AND PORTUGAL

Cia Electro Mecanica Iberica
Madrid, 32 Ronda de Atocha

SWITZERLAND

Otis Elevator Company
Factory: Waedenswil, Zurich

URUGUAY

Otis Elevator Company
Montevideo, San Jose 867

ASSOCIATED COMPANY FOR THE BRITISH EMPIRE

UNITED KINGDOM

Waygood-Otis Limited

Head Office and Works: Falmouth Road,
London, S. E.
Birmingham, 63 Lionel St.
Bournemouth, St. Peters Chambers
Brighton, Prudential Buildings, North St.
Bristol, 10 Back Bridge St.
Canterbury, Cornwall House, Sturry
Cardiff, 6-7 St. Johns Sq.
Belfast, 1-11 Fountain St.
Dublin, 5 Leinster St.
Glasgow, 116 Hope St.
Leeds, Standard Buildings
Leicester, 6 Clyde St.
Liverpool, Royal Liver Bldgs., Pier Head
Manchester, 90 Princess St.
Newcastle, Pilgrim St., Pilgrim House
Nottingham, 104 Goldsmith St.
Plymouth, 41 George St.

AUSTRALIA AND NEW ZEALAND

Standard-Waygood Hercules Ltd.
Sydney, Australia, 77 King St.
Adelaide, S. Australia

Auckland, New Zealand
Brisbane, Queensland
Christchurch, New Zealand
Dunedin, New Zealand
Hobart, Tasmania
Melbourne, Victoria
Perth, W. Australia
Wellington, New Zealand

NEWFOUNDLAND

St. Johns, R. G. Ash & Company

SOUTH AFRICA

Waygood-Otis (South Africa) Ltd.

Johannesburg, 109 Main St.
Durban, East London, Port Elizabeth
Cape Town, R. M. Ross & Co., Strand St.

INDIA AND THE FAR EAST

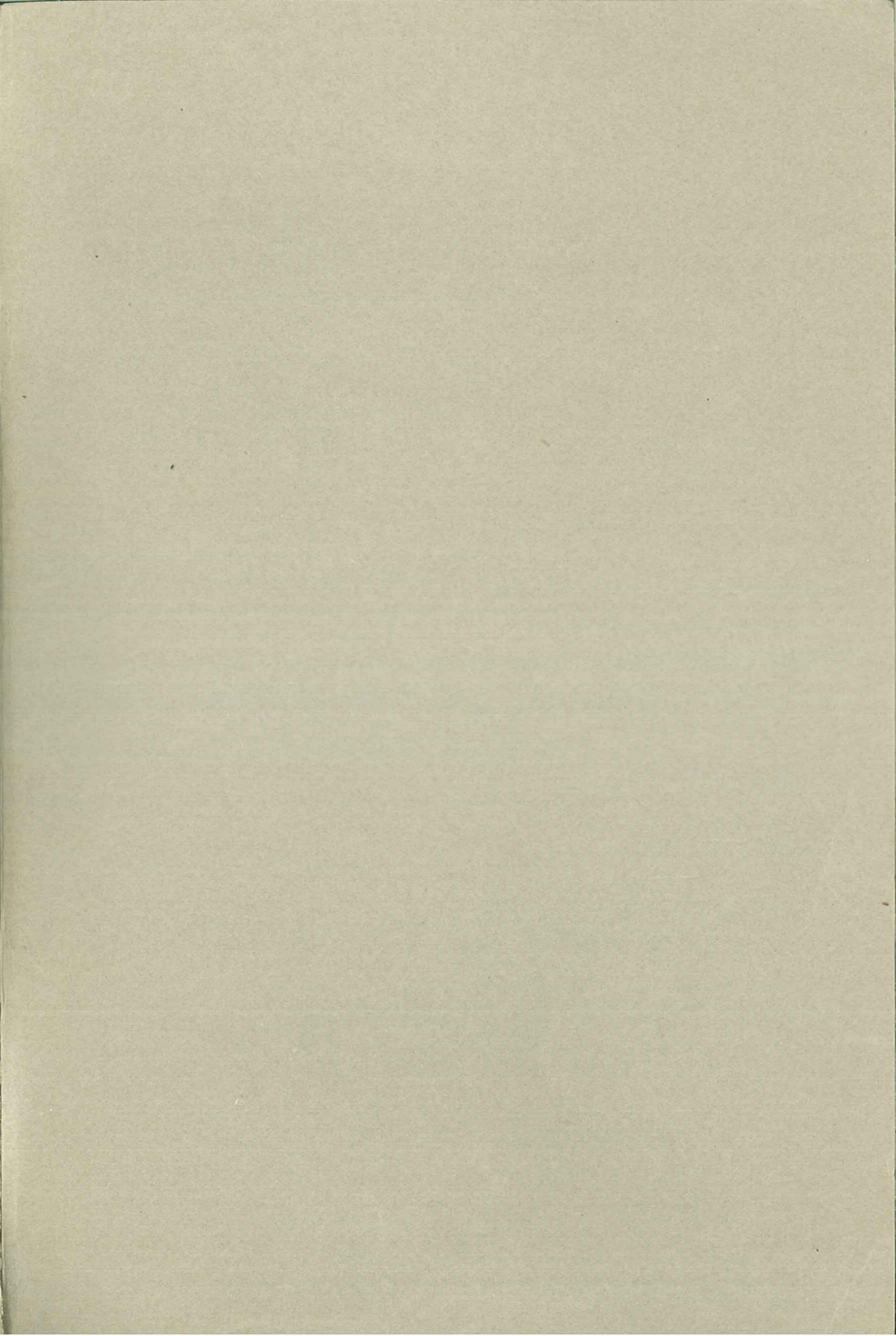
Bombay, Turner Hoare & Co., Elphinstone
Circle
Colombo, Walker Sons & Co., Ltd.
Calcutta, Balmer Lawrie & Co., 103 Clive St.
Hong Kong, Dodwell & Co., Ltd.
Rangoon, Bulloch Bros. & Co., Ltd.
Singapore, Central Engine Works, Ltd.

CANADA

Calgary, Alberta, Tees & Persse Bldgs.,
322-5 Ninth Ave., W.
Edmonton, Alberta, 10252-105th Street
Halifax, Nova Scotia, 215 Lower Water Street
Hamilton, Ont. (Works) Victory Ave., N.
Montreal, P. Q., 368 St. James St.
Ottawa, Ont., 254 Queen St.

Quebec, P. Q., 1070 St. Valier St.
Regina, Saskatchewan, Cor. Eleventh Ave. &
Lorne St.
Toronto, Ont. (Main Office) 50 Bay St.
Vancouver, B. C., 1152 Mainland Ave.
Victoria, B. C., 635 Dominion Road
Winnipeg, Manitoba, 316 Cumberland Ave.





THE WORLD'S WORD *for*

ELEVATOR SAFETY